

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: **BS-763**  
Call Sign: **WTOC**

**MODIFIED**  
STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, <sup>1/</sup>the LICENSEE

**SAVANNAH BROADCASTING COMPANY**

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time **April 1, 1976**

The licensee shall use and operate said apparatus only in accordance with the following terms:

1. On a frequency of **1290** kHz.
2. With nominal power of **\*5 kilo** watts nighttime and **5 kilo** watts daytime,  
with antenna input power of **3.4 kilo** watts **directional**  
antenna nighttime .....  
and antenna input power of **3 kilo** watts **non** directional  
antenna daytime .....

[	<b>Common Point</b>	current	<b>4.65</b>	amperes
	<b>Common Point</b>	resistance	<b>250</b>	ohms,
	<b>Antenna</b>	current	<b>3.78</b>	amperes
	<b>Antenna</b>	resistance	<b>350</b>	ohms
3. Hours of operation: **Unlimited:**

**Average hours of sunrise and sunset:**

Jan. 7:30am to 5:45pm; Feb. 7:15am to 6:15pm;  
Mar. 6:30am to 6:30pm; Apr. 6:00am to 7:00pm;  
May 5:30am to 7:15pm; June 5:15am to 7:30pm;  
July 5:30am to 7:30pm; Aug. 5:45am to 7:15pm;  
Sep. 6:15am to 6:30pm; Oct. 6:30am to 6:00pm;  
Nov. 7:00am to 5:30pm; Dec. 7:15am to 5:15pm;

**Eastern Standard Time (non-advanced)**

4. With the station located at: **Savannah, Georgia**
5. With the main studio located at:

**516 Abercon Street  
Savannah, Georgia**

6. The apparatus herein authorized to be used and operated is located at: North Latitude:

**Alford Street, 3 1/2 mi. N. by N. of  
Savannah, Georgia**

**\*5 kilowatt night power grant  
provided interference to CHM  
not beyond that existing as of  
818-41.**

**\*\*Employing directional anten  
night except the change-over  
minutes later at sunrise and  
minutes earlier at sunset, at  
option of licensee, when the  
ular change-over time falls v  
in a continuous program."**

West Longitude: **32 ° 05 ' 25.8'**  
**81 08 55.4**

**Transmitter may be operated by remote control fr  
516 Abercon Street, Savannah, Georgia.**

7. Transmitter(s): **RCA BTA-5F**

(or other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715:

9. Conditions: **Northeast and #3 Southwest towers, paragraphs 1, 3, 12 and 21 #2 North-west and #4 Southeast towers.**

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in this license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

<sup>1/</sup> This license consists of this page and pages

**2 & 3**

Dated: **July 9, 1975**  
**kim**

FEDERAL  
COMMUNICATIONS  
COMMISSION



April 1975

File No. BS- 763

Call Sign: W T O C

Date 7-9-75

# 1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

(DA-N)

No. and Type of Elements: Four uniform cross-section, guyed, vertical radiators.

Height above Insulators: #4(SE) Tower-280' (132°); #1(NE) #2(NW), #3(SW)-206' (97.3°)

Overall Height: SE Tower, 283'; N.E., N.W. AND S.W. Towers, 209'.

Spacing and Orientation: Tower arranged to form a parallelogram 381' x 148' (180° x 70°)  
The short sides bear 65° true and the long sides 0° true.

Non-Directional Antenna: Southeast Tower used with other towers floating.

Ground System consists of 120 radials 210' long or to property line under each tower. Buried 4 to 8 inches, plus 24'x 24' copper ground screen.

## 2. THEORETICAL SPECIFICATIONS

	Tower	NE(#1)	NW(#2)	SW(#3)	SE(#4)
Phasing:					
Night		12°	84°	72°	0°
Field Ratio:					
Night		0.87	0.87	1.0	1.0

## 3. OPERATING SPECIFICATIONS

Phase Indication*	Night	-1.9°	+121°	+75.6°	0°
Antenna Base Current Ratio:	Night	1.81	1.81	2.0	1.0
Antenna Monitor Sample Current Ratio:	Night	2.703	3.128	3.038	1.00

\*As indicated by Delta DAN-1 (3-218) antenna monitor.

Field intensity measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every thirty days and an appropriate record kept of all measurements so made.

To facilitate such field intensity measurements as may be required to properly maintain the directional antenna system, the licensee is authorized to operate one day each week with nighttime facilities during daytime while the measurements are being made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 140° True North. From transmitter entrance road, turn left onto Alford Street. Proceed .25 miles to Route 80. Turn right onto Route 80. Proceed 0.6 miles to traffic circle. Then proceed on Route 17 north for 7.6 miles. Turn left at white brick markers. Proceed 0.35 miles along dirt lane. Turn left into National Wildlife Refuge and follow dirt lane for 1.5 miles. Point is on dirt lane 100 feet north of bend. Distance to array is 6.4 miles. The field intensity measured at this point should not exceed 14.4 mv/m.

Direction of 156° True North. From transmitter entrance road, turn right onto Alford Street. Proceed 0.45 miles to Fair Street. Turn right on Fair Street and proceed 0.2 miles to Louisville Road. Turn left onto Louisville Road and proceed approximately 2.5 miles to West Broad Street. Turn right on West Broad Street and proceed approximately 0.7 miles to Park Avenue. Turn right on Park Avenue and go approximately 0.35 miles to Bull Street. Turn right on Bull Street and proceed approximately 2.75 miles to Alpine Drive. Turn right onto Alpine Drive and point is located in playground adjacent to water fountain. Distance to array is 4.72 miles. The field intensity measured at this point should not exceed 24.7 mv/m.

Direction of 243.5° True North. From transmitter entrance road, turn left onto Alford Street. Proceed 0.25 miles to Route 80. Turn left onto Route 80 and proceed approximately 3.25 miles to Dean Forest Road. Turn left on Dean Forest Road and proceed approximately 2.35 miles to monitoring point. Point is on Dean Forest Road adjacent to highway sign (road under construction). Distance to array is 4.02 miles. The field intensity measured at this point should not exceed 22 mv/m.

Direction of 343° True North. From transmitter entrance road, turn left onto Alford Street. Proceed 0.25 miles to Route 80. Turn right onto Route 80 and proceed 0.6 miles to traffic circle. Then proceed on Route 17 north for approximately 4.4 miles. Turn left onto Bonnybridge and proceed 0.18 miles to Warren Drive. Turn left on Warren Drive and proceed 0.13 miles to monitoring point. Point is in street in front of house No. 17 between mail box and speed limit sign. Distance array is 4.73 miles. The field intensity measured at this point should not exceed 10.6 mv/m.